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61-22118

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 - III. Associated Technical Services, Inc., East Orange, N. J.

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Military - Submarines, Pacific Fleet

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 - III. Patent (Japan) pub. 12-1422
 - IV. Associated Technical Services, Inc.,
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 - II. Title: Throughput
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(Engineering Chemicals, P.T.O. v. S. no. 12)

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Order from SLA \$1.60

62-16002

Trans. of Kobunshi Kagaku (Japan) 1961, v. 18, no. 198,
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DESCRIPTORS: Polymers, *Vinyl alcohols, Pyrolysis,
Chemical analysis, Acetaldehydes, Benzaldehydes,
Acetophenones, Alcohols, Vinyl radicals.

In order to probe the mechanism of thermal decomposition of PVA, the residue from thermal decomposition of PVA and thermal decomposition products of PVA were investigated. There were some differences in quantity depending on whether the thermal decomposition took place in vacuum, in nitrogen current, or in the presence of air, but as decomposition products we (Chemistry--Organic, TT, v. 9, p. 2) (over)

62-16002
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II. Amagasa, M.

Office of Technical Services

Yamaguchi, Tadashi and Amagata, Masataka.
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VINYLI ALCOHOL. [1962] op. 4 refs.
Order from SLA \$1.10

62-16001

Trans. of Kobunshi Kagaku (Japan) 1961, v. 18, no. 198,
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DESCRIPTORS: Polymers, *Vinyl alcohols, Pyrolysis,
Chemical reactions, Alcohols, Vinyl radicals.

The thermal degradation mechanism of polyvinyl alcohol (PVA) is discussed according to the results of investigation about colorisation and degradation at heat treatment. (See also 62-16002)

(Chemistry--Organic, TT, v. 9, no. 1)

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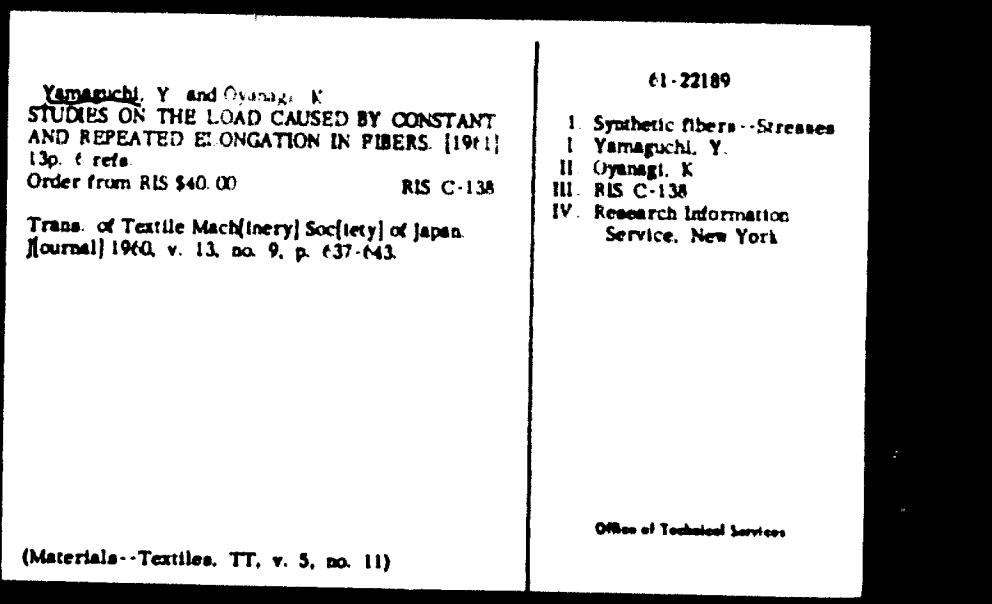
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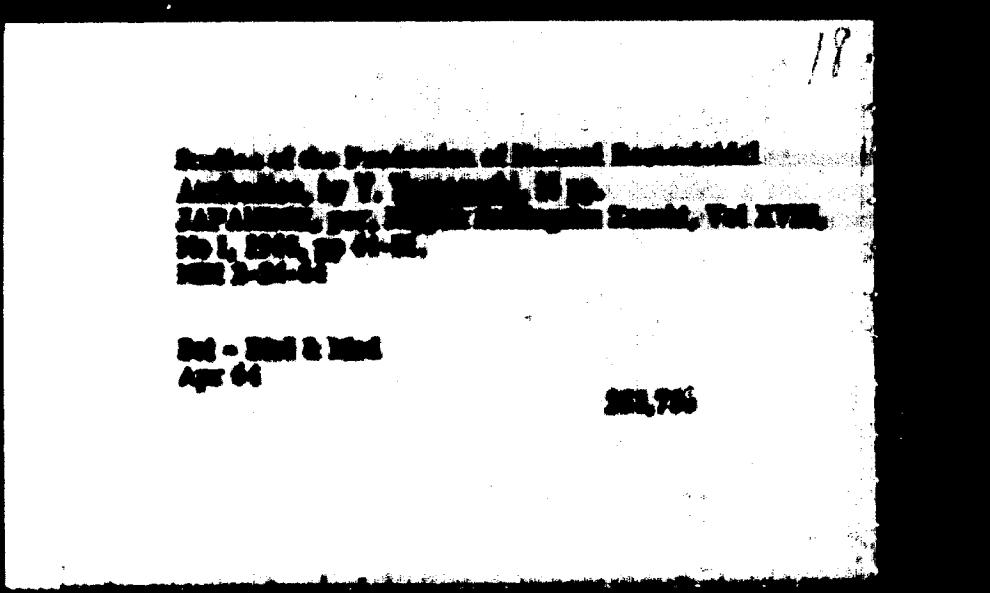
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Conductivity of Fused Salts. [1963] 26p (figs omitted)
Srefs]

Order from SLA \$2.60

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Trans. of [Nihon Kagaku Zasshi] (Japan) 1938, v. 59,
p. 1311-1320.

DESCRIPTORS: *Fused materials, Salts, Electrical
conductance, Polarization, Resistance (Electrical),
Aluminum compounds, Chlorides, Sodium compounds,
Electrolysis,

(Chemistry--Physical, TT, v. 11, no. 5)

TT-64-10143

I. Yamaguchi, Y.
II. Shishido, T.
III. Title: Electrolytic ...

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JAPANESE, per, Japanese Journal of Limnology,
Vol. IX, No 2, 1939, pp 93-106.

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Internal Friction of Polycrystalline and Single-Crystal Ice, by D. Kuroiwa, K. Yamaji.

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Trans. of Sekiyu Gakkaishi (Japan) 1960, v. 3, no. 2,
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DESCRIPTORS: *Hydroperoxides, Decomposition,
*Sulfur compounds.

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VI. 1,2-DIPHENYLBUTANOLAMINE DERIVATIVES.
[1961] 9p. 12 refs.
Order from SLA \$1.10

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Trans. in manuscript of [Yakugaku Zasshi] (Japan) 1960,
v. 80, Mar., p. 298-300.

DESCRIPTORS: *Analgesics, Synthesis, Toxicity,
*Amines, Alkyl radicals, Phenyl radicals, Butanols,
Pharmacology.

61-10222

I. Yamakawa, Y.
II. Title: 1,2-Diphenyl
butanolamine, ...

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(Biological Sciences: Pharmacology, TT, v. 6, no. 8)

Results over a Three Year Period of X-Ray Treatment
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OPPOSITE ELECTRIC CHARGES. [1963] 10p  
(figs., tables omitted) brefs  
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Trans. of [Kogyo Kagaku Zasshi] (Japan) 1962,  
v. 65 [no. 11] p. 1861-1865.

DESCRIPTORS: \*Dyes, \*Chemical reactions, Ions,  
\*Methylene blue, Methanes, Complex compounds,  
Vinyl chlorides, Surface-active substances, Surface  
tension, Absorption spectrum, Chemical bonds,  
Fibers (Synthetic).

The aqueous solutions of ionic dyestuffs of opposite  
electric charges, orange II (anion) and methylene blue  
(cation), were mixed. To examine the interaction  
which then takes place between these dyestuffs, the  
(Chemistry--Organic) PT, v. 10, no. 11) (over)

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1. Title: Orange II  
1. Yamaki, K.

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Improvement of the Shaping of Electrical Porcelain  
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Ya. Yamakov, 8 pp.

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K. M. Yamaleyev, et al.  
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Differential Thermal Analysis of  
Synthetic Polymers and Its Application  
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